

Fig. 1a
(Prior Art)

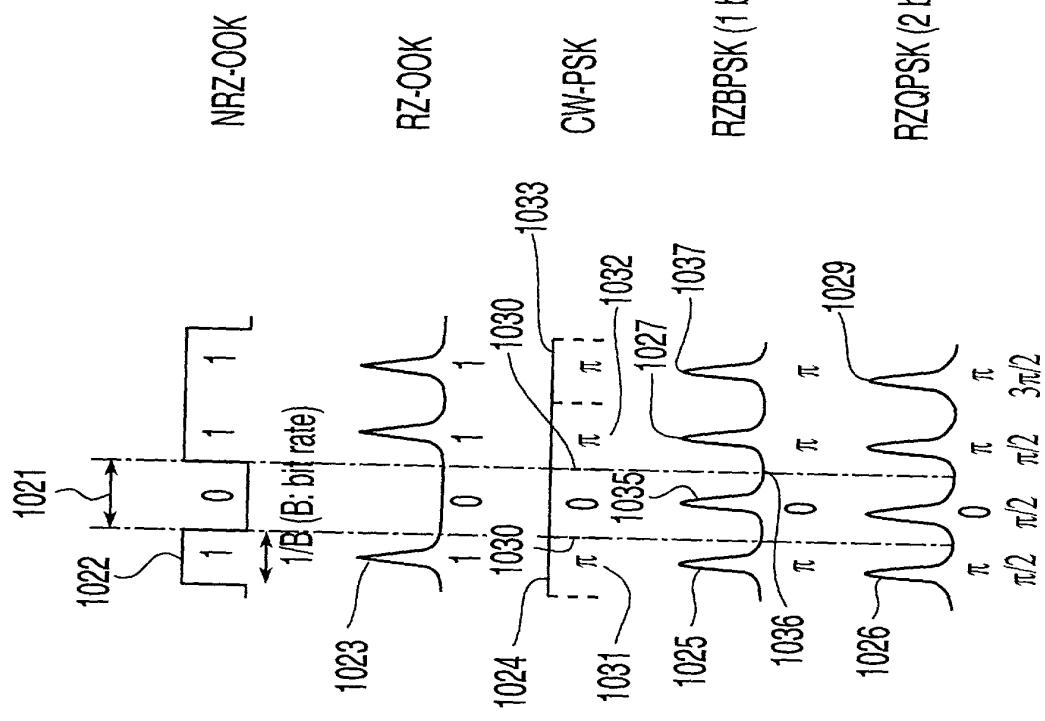


Fig. 1b
(Prior Art)

Fig. 1d

Fig. 1e

U.S. PATENT APPLICATION

INVENTOR: Pak Shing CHO et al.

FILED: February 28, 2002

U.S. Appl. No.: 10/084,057

METHOD AND SYSTEM FOR MITIGATING NONLINEAR TRANSMISSION

IMPAIRMENTS IN FIBER-OPTIC COMMUNICATIONS SYSTEMS

PENNIE & EDMONDS LLP (Atty.Dkt.#10565-0132-999)

(202) 496-4400

PAGE 2 OF 33

2/33

1040
1043
1044
1041
1042
 λ_5
 λ_6
 λ_7
 λ_8

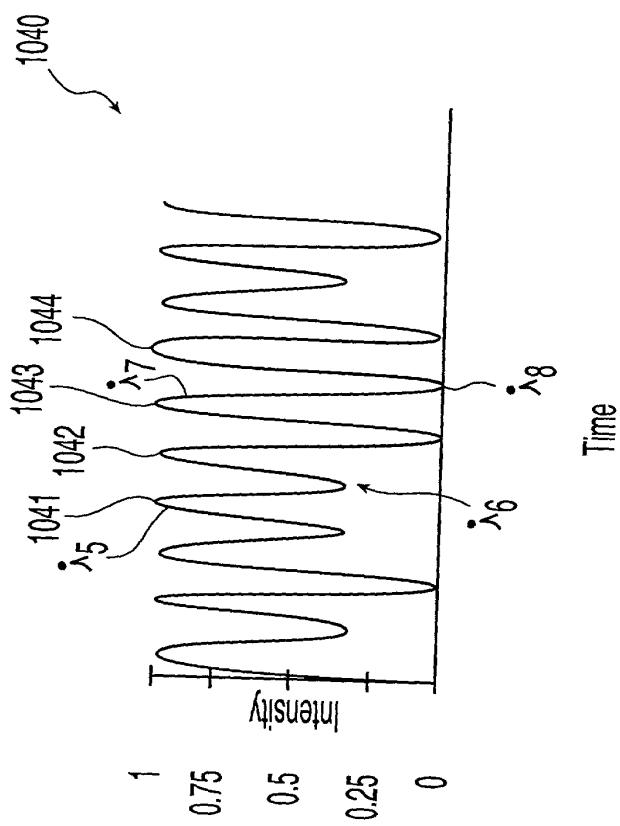


Fig. 1f

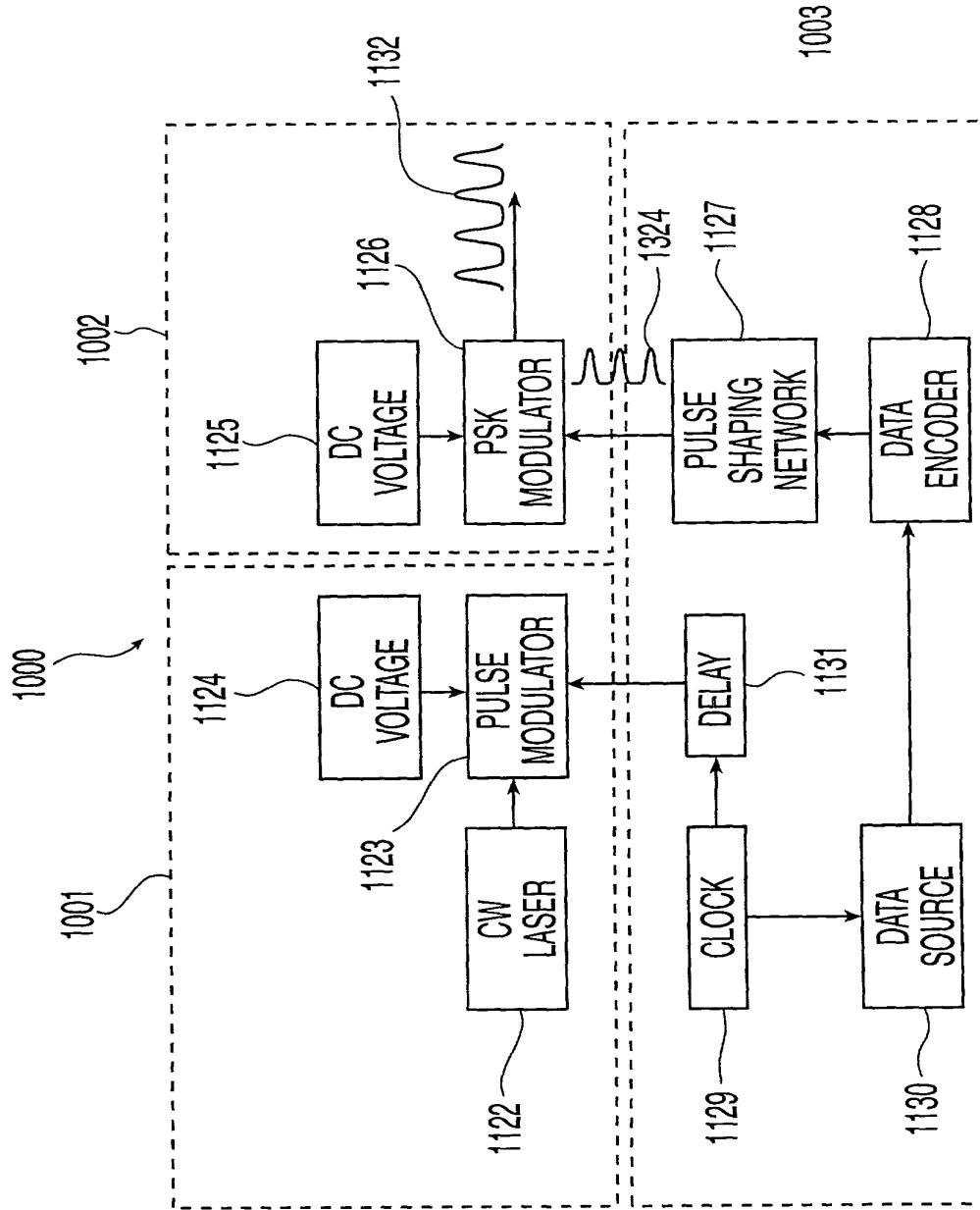


Fig. 2

U.S. PATENT APPLICATION

INVENTOR: Pak Shing CHO et al.

FILED: February 28, 2002

U.S. Appl. No.: 10/084,057

METHOD AND SYSTEM FOR MITIGATING NONLINEAR TRANSMISSION

IMPAIRMENTS IN FIBER-OPTIC COMMUNICATIONS SYSTEMS

PENNIE & EDMONDS LLP (Atty.Dkt.#10565-0132-999)

(202) 496-4400

PAGE 4 OF 33

4/33

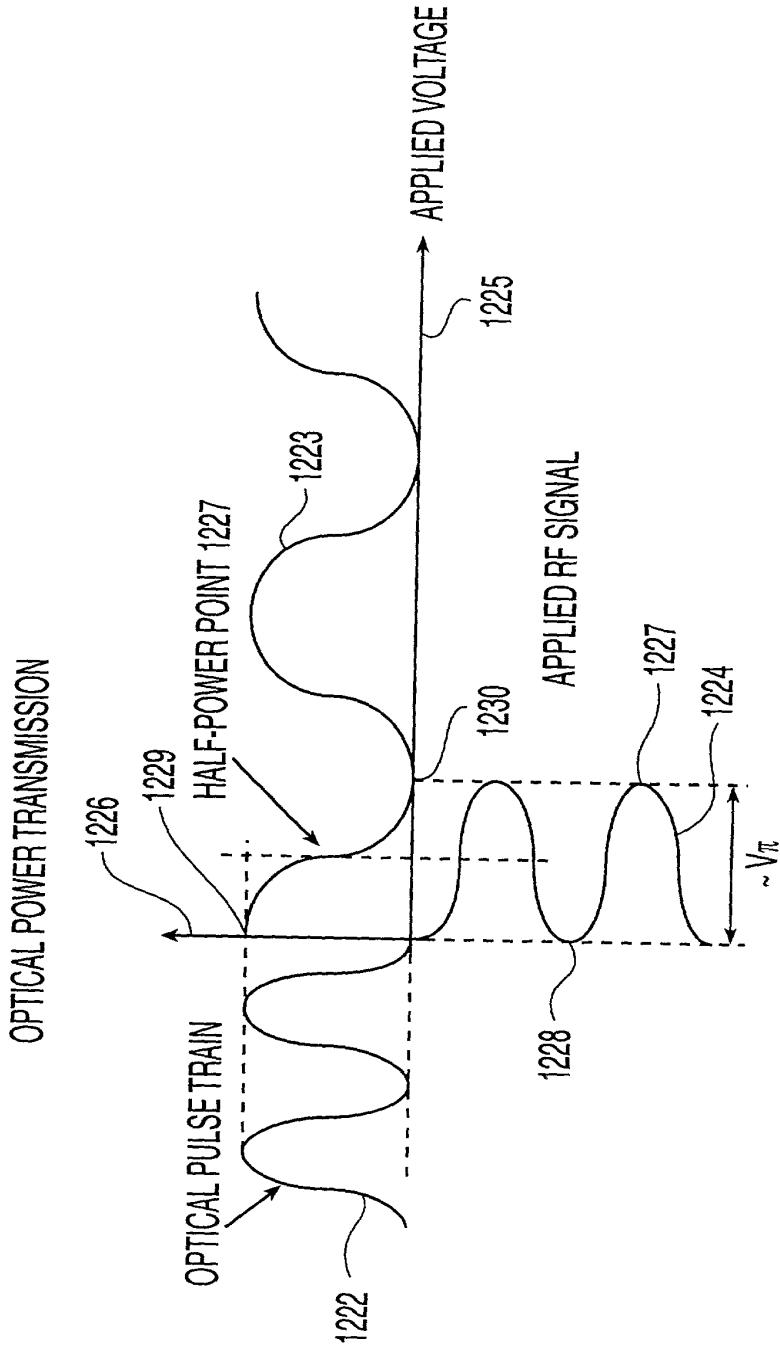
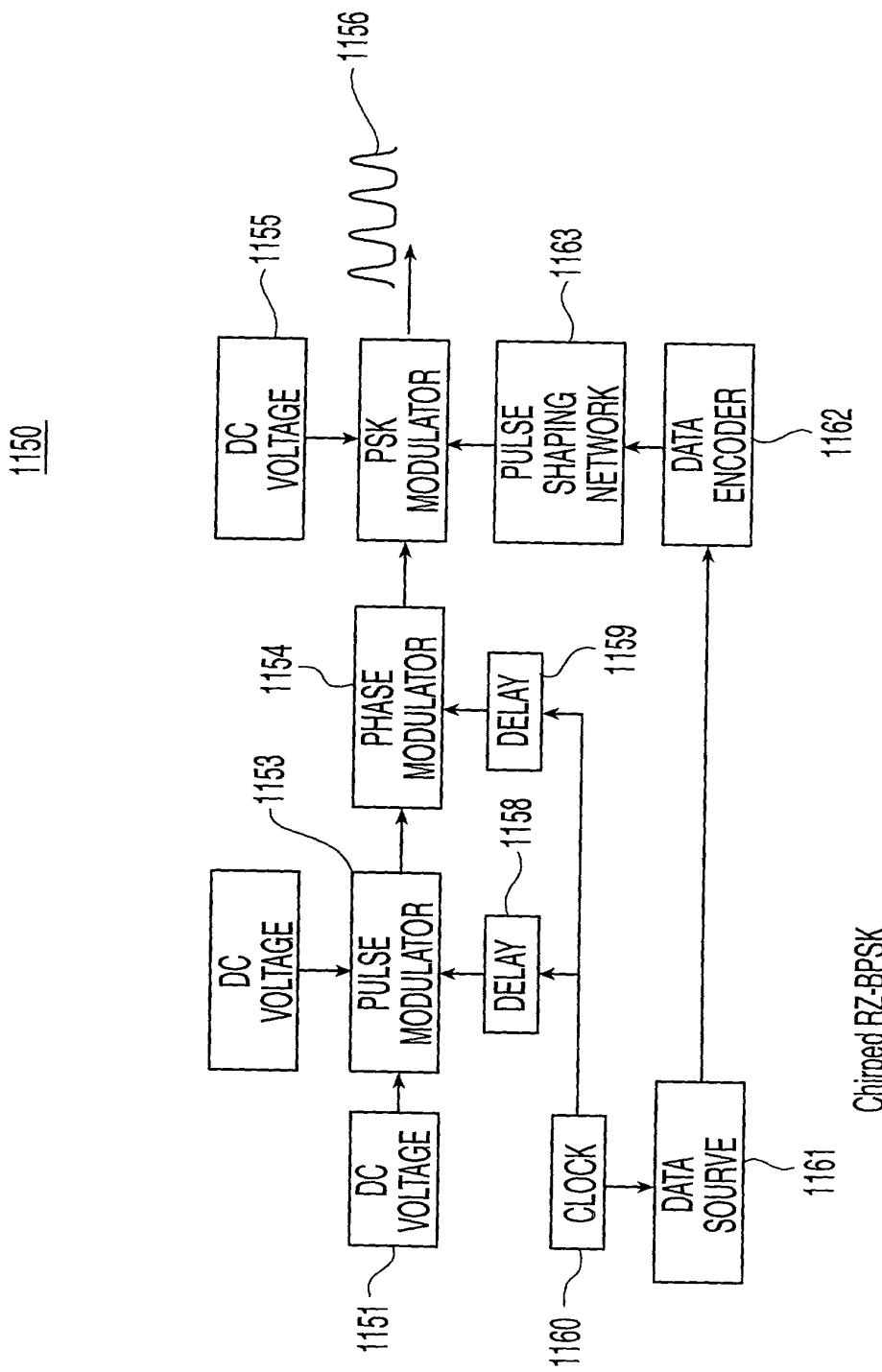


Fig. 3



U.S. PATENT APPLICATION

INVENTOR: Pak Shing CHO et al.

FILED: February 28, 2002

U.S. Appl. No.: 10/084,057

METHOD AND SYSTEM FOR MITIGATING NONLINEAR TRANSMISSION

IMPAIRMENTS IN FIBER-OPTIC COMMUNICATIONS SYSTEMS

PENNIE & EDMONDS LLP (Atty.Dkt.#10565-0132-999)

(202) 496-4400

PAGE 6 OF 33

6/33

OPTICAL ELECTRIC FIELD TRANSMISSION

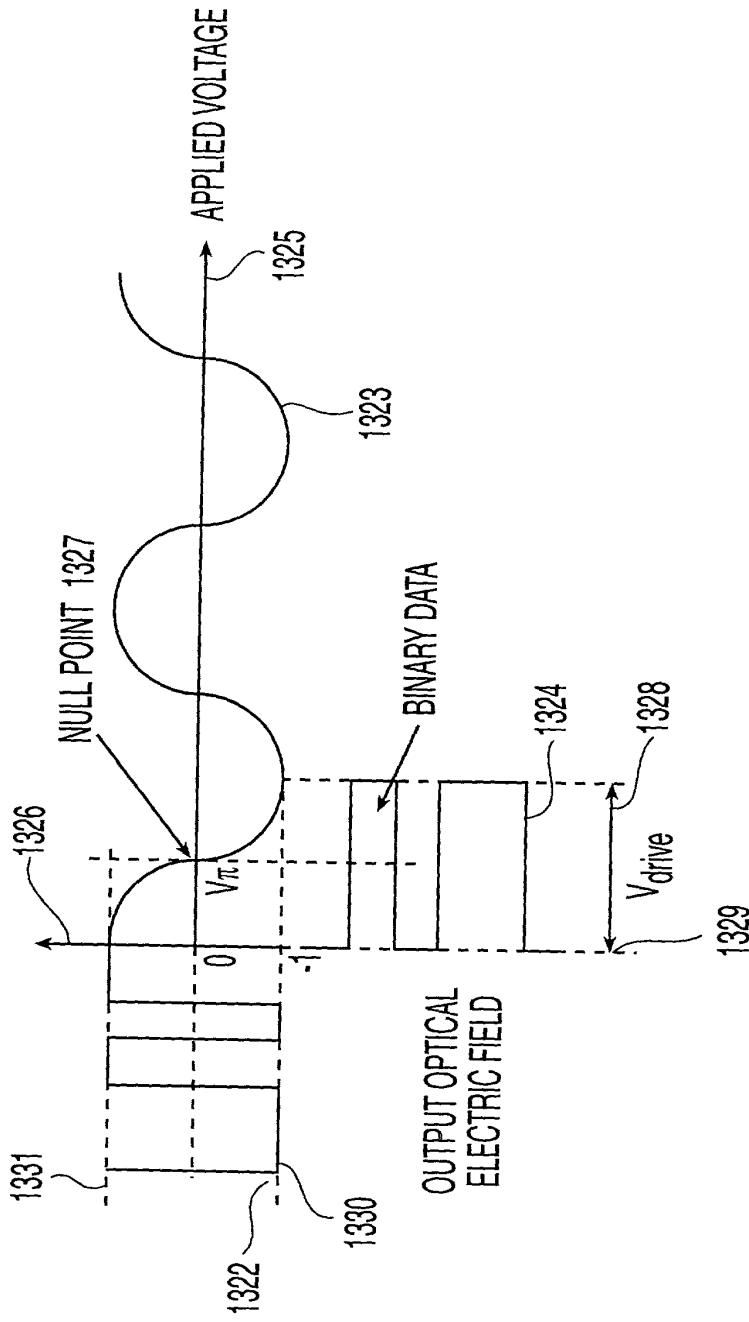


Fig. 5

U.S. PATENT APPLICATION

INVENTOR: Pak Shing CHO et al.

FILED: February 28, 2002

U.S. Appl. No.: 10/084,057

METHOD AND SYSTEM FOR MITIGATING NONLINEAR TRANSMISSION

IMPAIRMENTS IN FIBER-OPTIC COMMUNICATIONS SYSTEMS

PENNIE & EDMONDS LLP (Atty.Dkt.#10565-0132-999)

(202) 496-4400

PAGE 7 OF 33

7/33

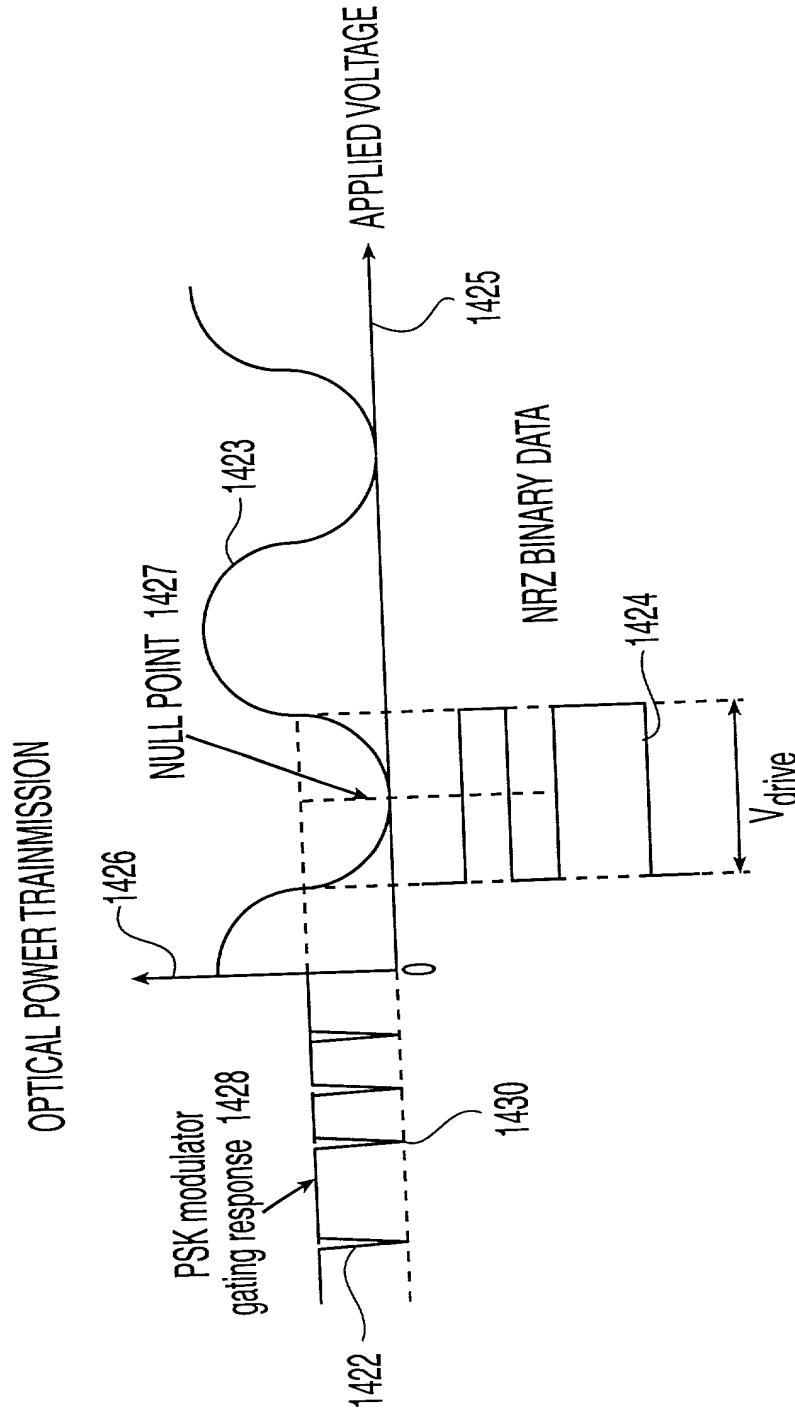


Fig. 6

U.S. PATENT APPLICATION

INVENTOR: Pak Shing CHO et al.

FILED: February 28, 2002

U.S. Appl. No.: 10/084,057

METHOD AND SYSTEM FOR MITIGATING NONLINEAR TRANSMISSION

IMPAIRMENTS IN FIBER-OPTIC COMMUNICATIONS SYSTEMS

PENNIE & EDMONDS LLP (Atty.Dkt.#10565-0132-999)

(202) 496-4400

PAGE 8 OF 33

8/33

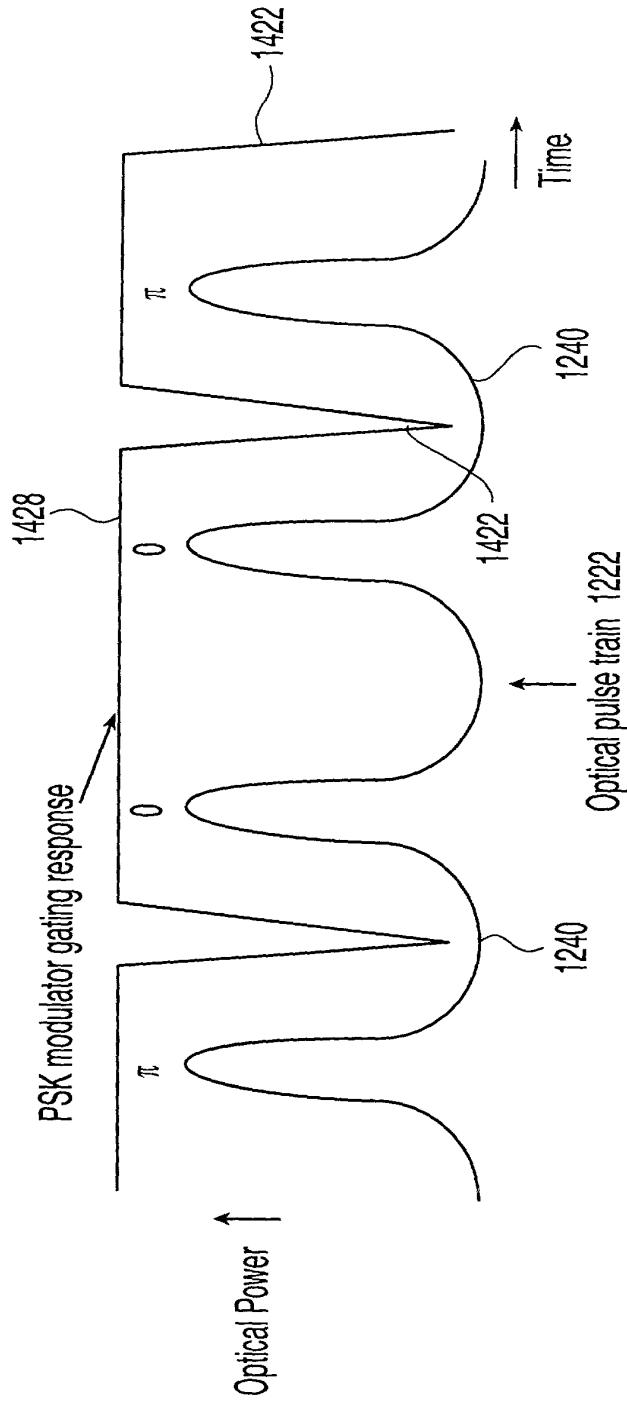


Fig. 7

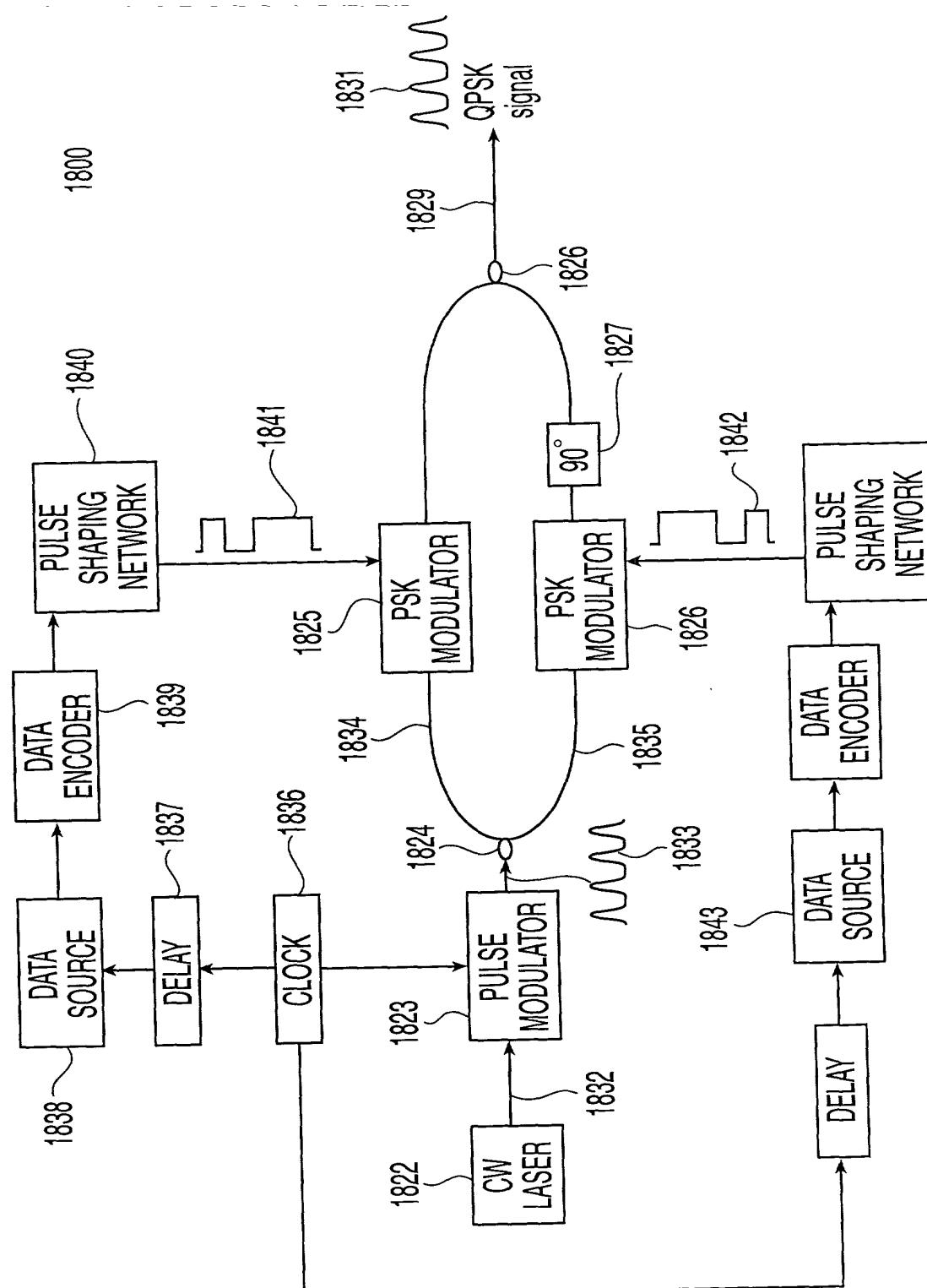


Fig. 8

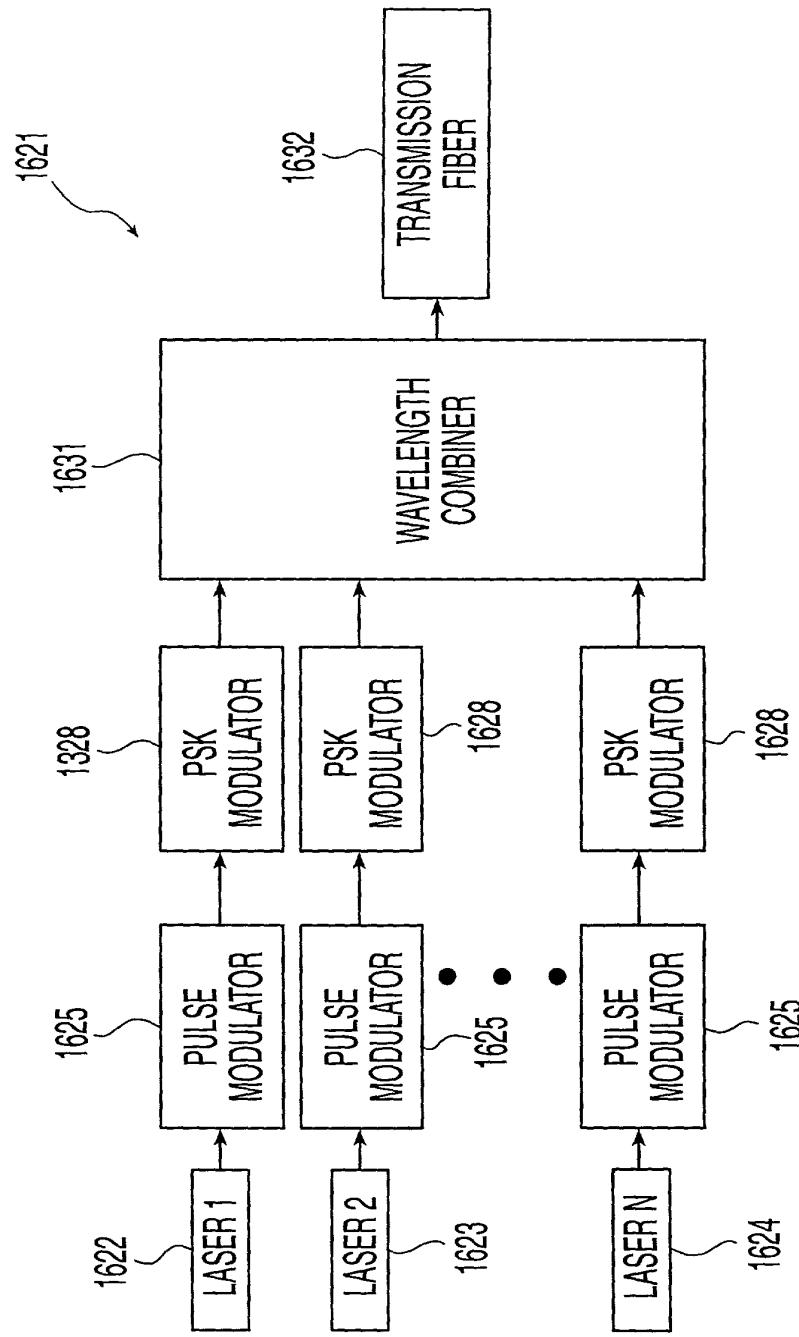


Fig. 9

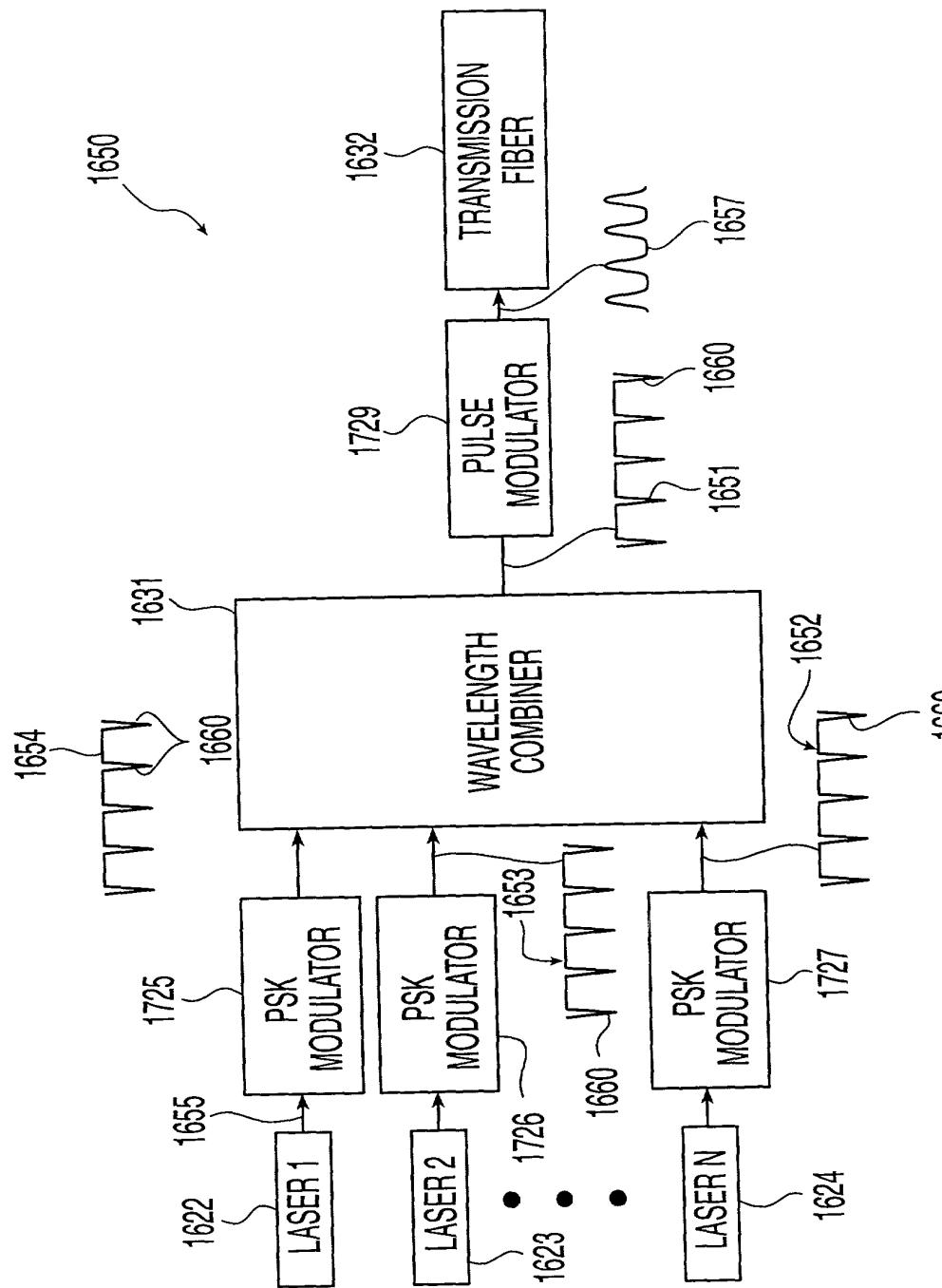


Fig. 10

U.S. PATENT APPLICATION

INVENTOR: Pak Shing CHO et al.

FILED: February 28, 2002

U.S. Appl. No.: 10/084,057

METHOD AND SYSTEM FOR MITIGATING NONLINEAR TRANSMISSION

IMPAIRMENTS IN FIBER-OPTIC COMMUNICATIONS SYSTEMS

PENNIE & EDMONDS LLP (Atty.Dkt.#10565-0132-999)

(202) 496-4400

PAGE 12 OF 33

12/33

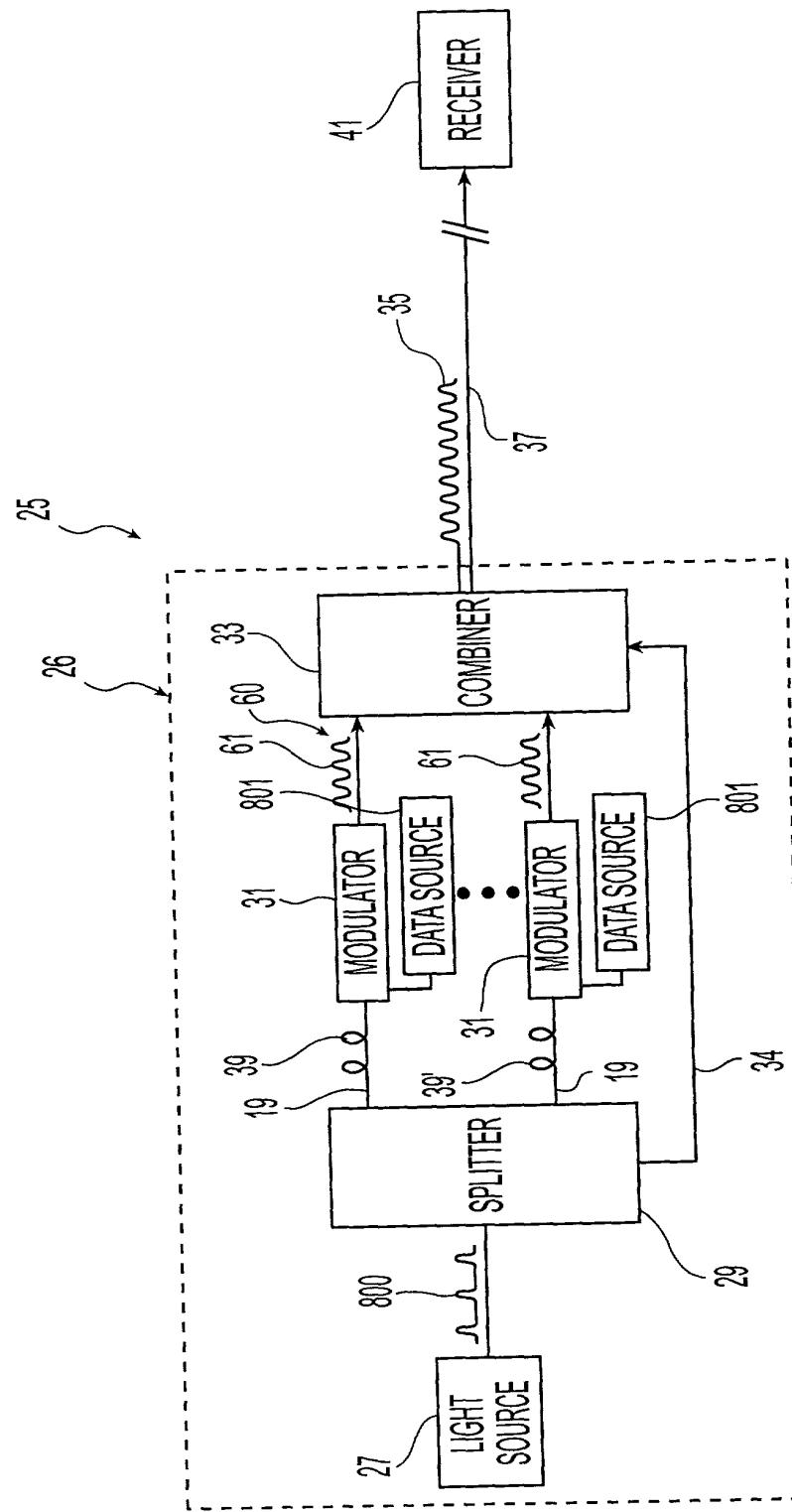


Fig. 11

U.S. PATENT APPLICATION

INVENTOR: Pak Shing CHO et al.

FILED: February 28, 2002

U.S. Appl. No.: 10/084,057

METHOD AND SYSTEM FOR MITIGATING NONLINEAR TRANSMISSION

IMPAIRMENTS IN FIBER-OPTIC COMMUNICATIONS SYSTEMS

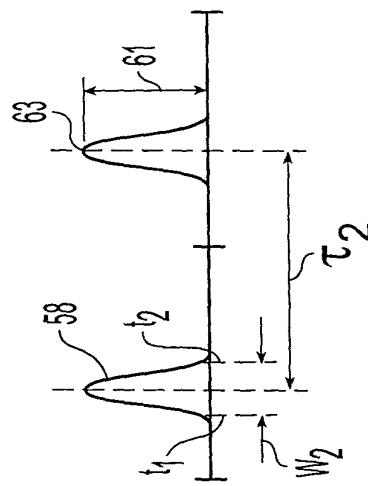
PENNIE & EDMONDS LLP (Atty.Dkt.#10565-0132-999)

(202) 496-4400

PAGE 13 OF 33

13/33

Fig. 12



U.S. PATENT APPLICATION

INVENTOR: Pak Shing CHO et al.

FILED: February 28, 2002

U.S. Appl. No.: 10/084,057

METHOD AND SYSTEM FOR MITIGATING NONLINEAR TRANSMISSION

IMPAIRMENTS IN FIBER-OPTIC COMMUNICATIONS SYSTEMS

PENNIE & EDMONDS LLP (Atty.Dkt.#10565-0132-999)

(202) 496-4400

PAGE 14 OF 33

14/33

1932

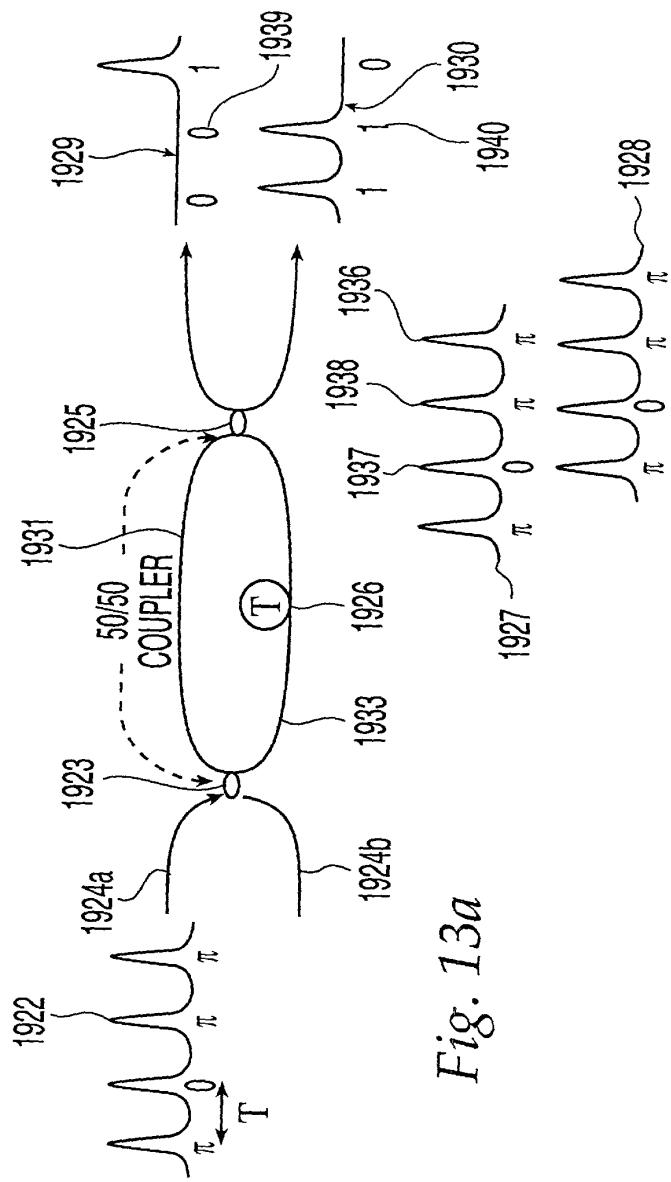


Fig. 13a

Fig. 13b

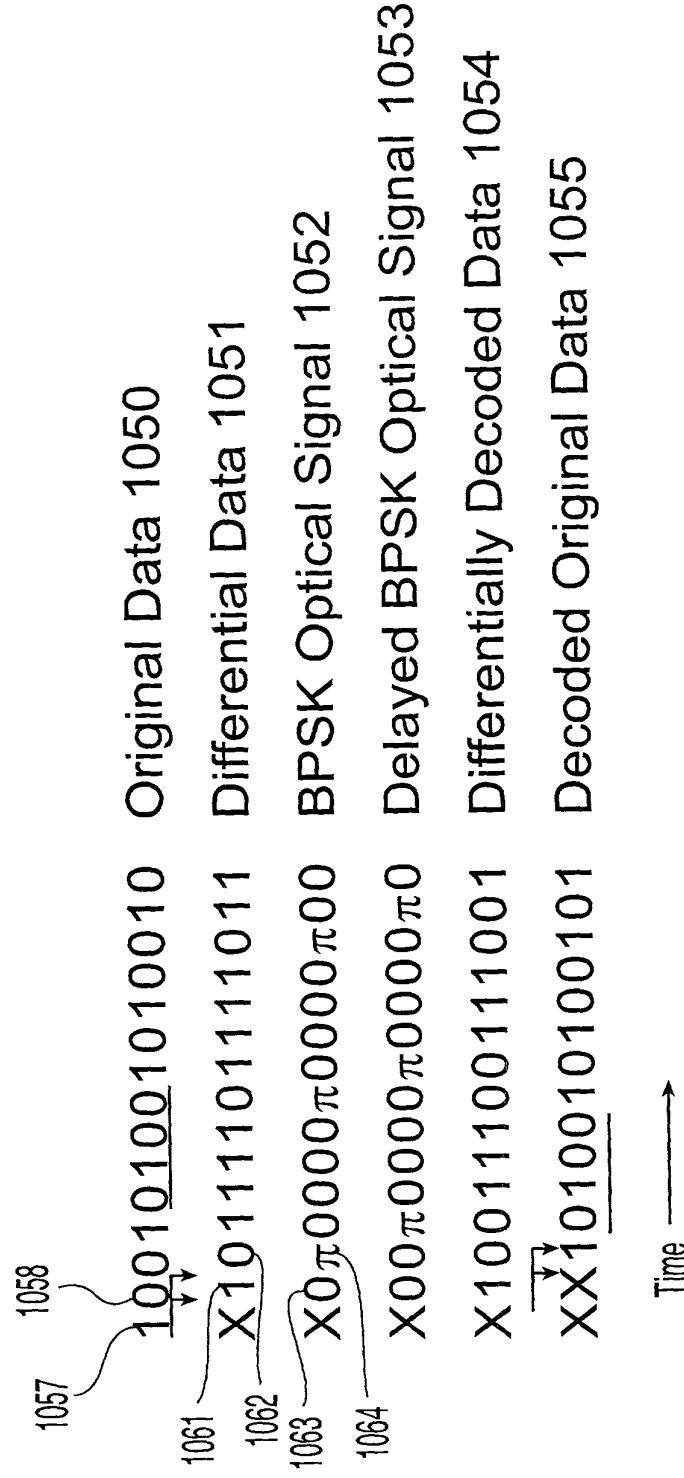


Fig. 14

2100

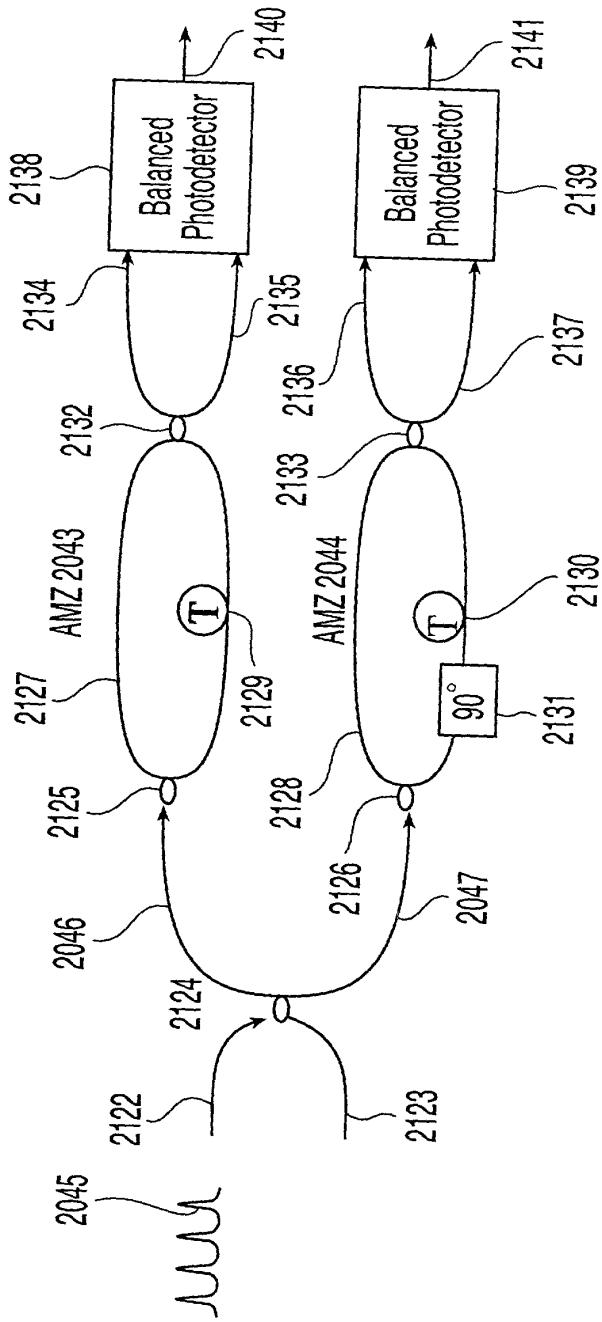


Fig. 15

20020022500A1

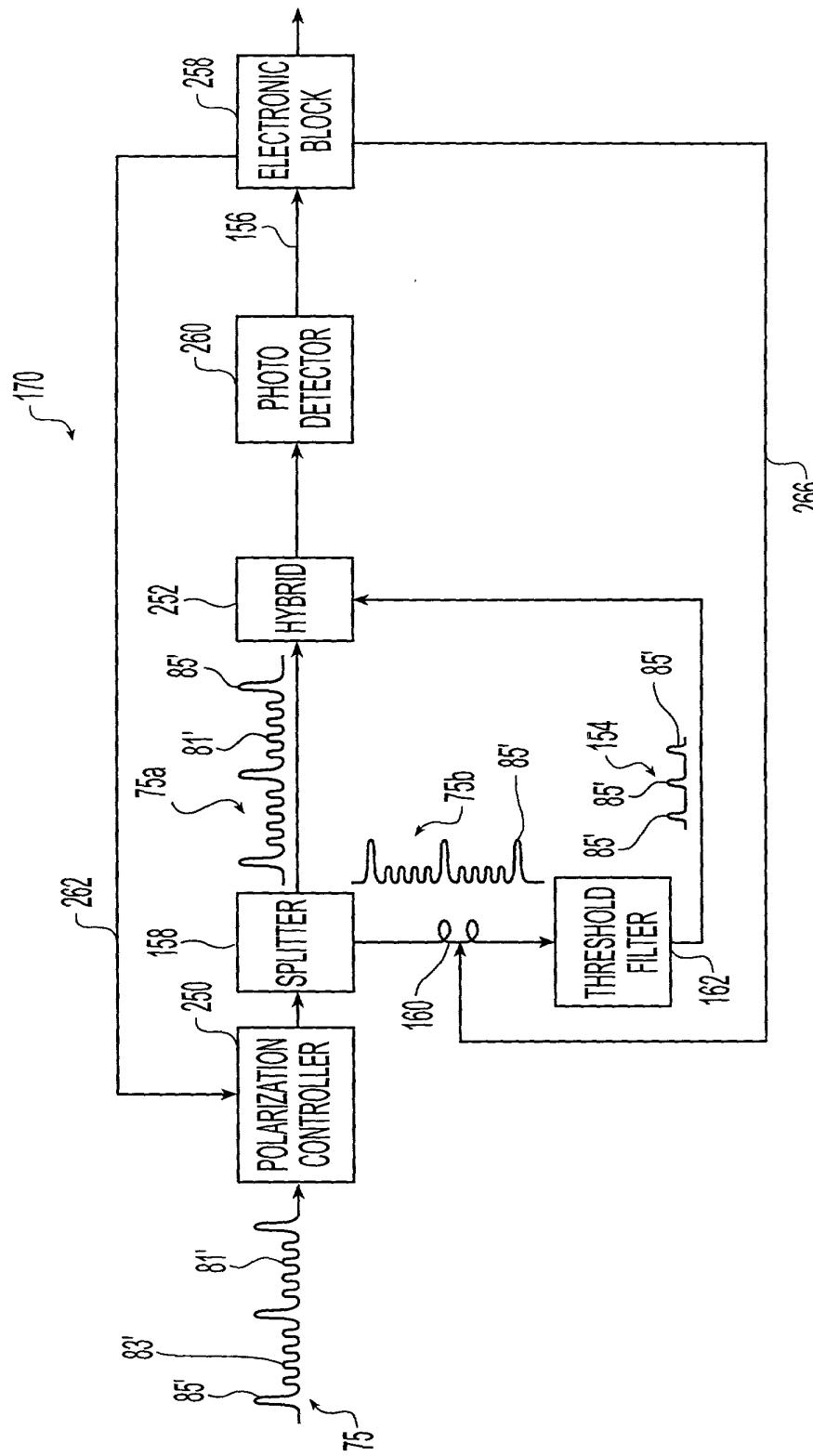


Fig. 16a

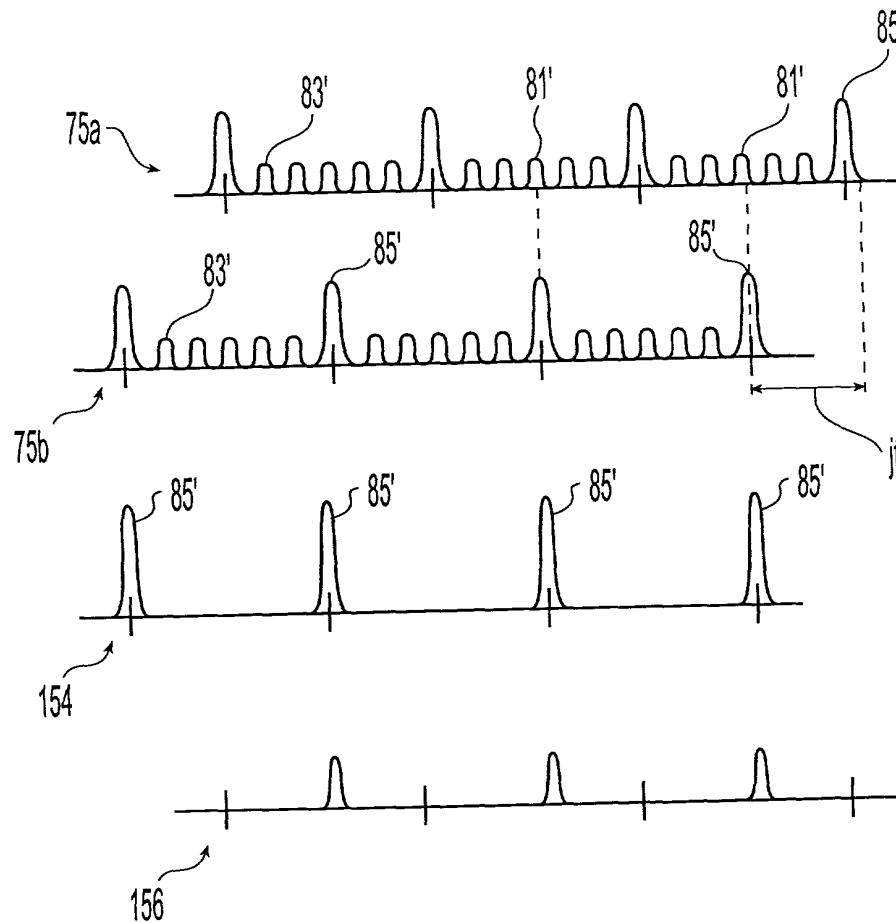


Fig. 16B

U.S. PATENT APPLICATION

INVENTOR: Pak Shing CHO et al.

FILED: February 28, 2002

U.S. Appl. No.: 10/084,057

METHOD AND SYSTEM FOR MITIGATING NONLINEAR TRANSMISSION

IMPAIRMENTS IN FIBER-OPTIC COMMUNICATIONS SYSTEMS

PENNIE & EDMONDS LLP (Atty.Dkt.#10565-0132-999)

(202) 496-4400

PAGE 19 OF 33

19/33

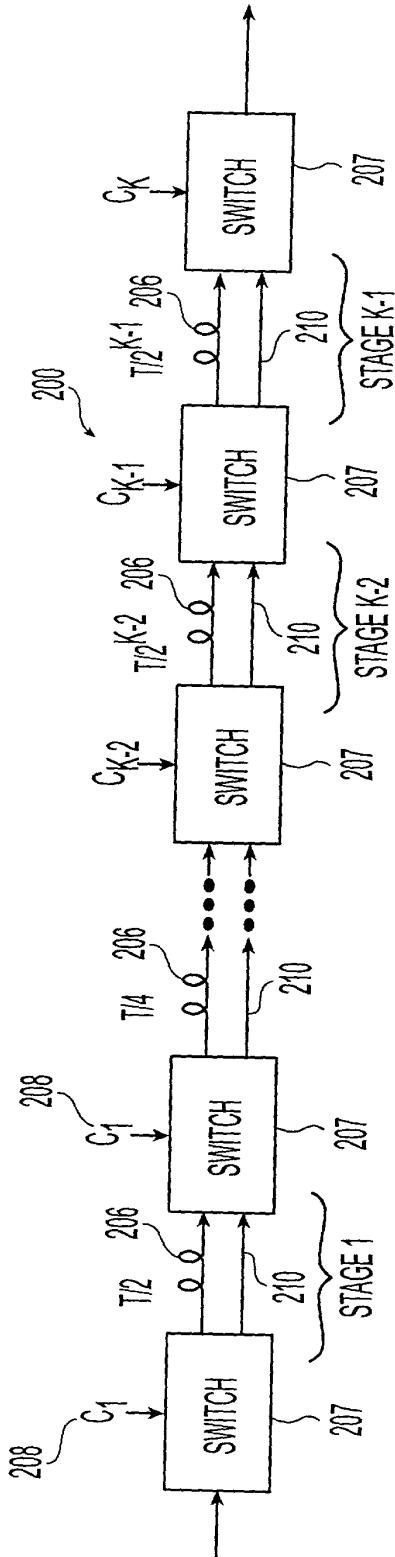


Fig. 17b
(Prior Art)

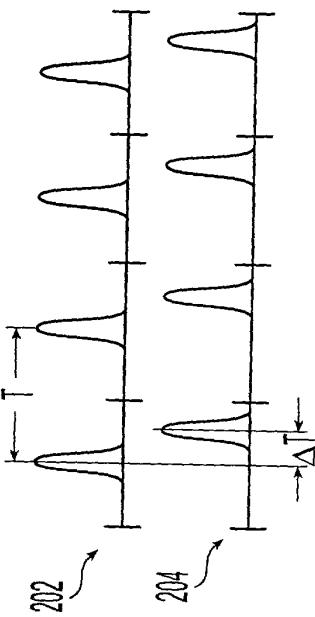


Fig. 17a

PROGRESSIVE DECODE

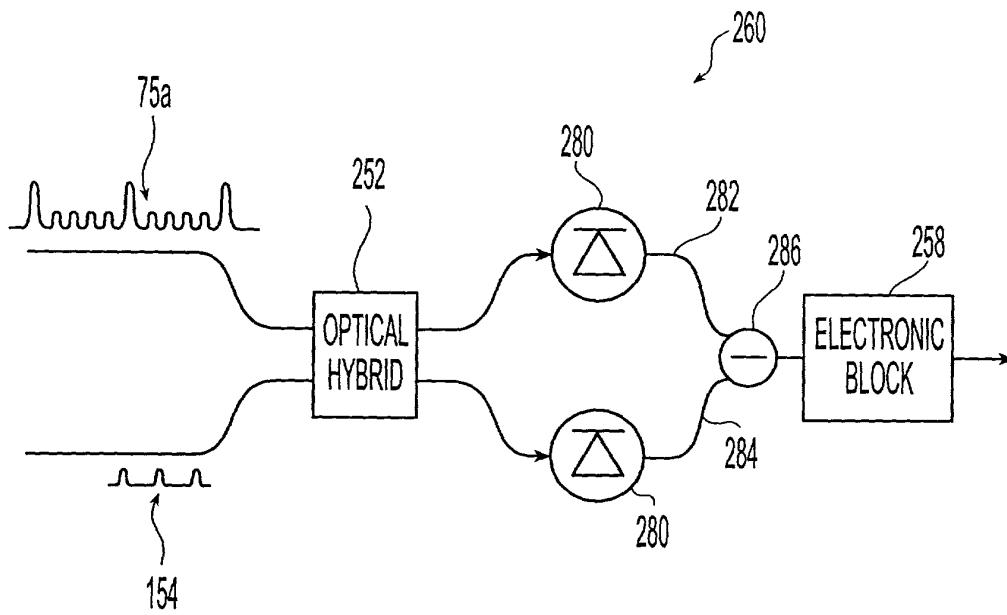


Fig. 18

U.S. PATENT APPLICATION

INVENTOR: Pak Shing CHO et al.

FILED: February 28, 2002

U.S. Appl. No.: 10/084,057

METHOD AND SYSTEM FOR MITIGATING NONLINEAR TRANSMISSION

IMPAIRMENTS IN FIBER-OPTIC COMMUNICATIONS SYSTEMS

PENNIE & EDMONDS LLP (Atty.Dkt.#10565-0132-999)

(202) 496-4400

PAGE 21 OF 33

21/33

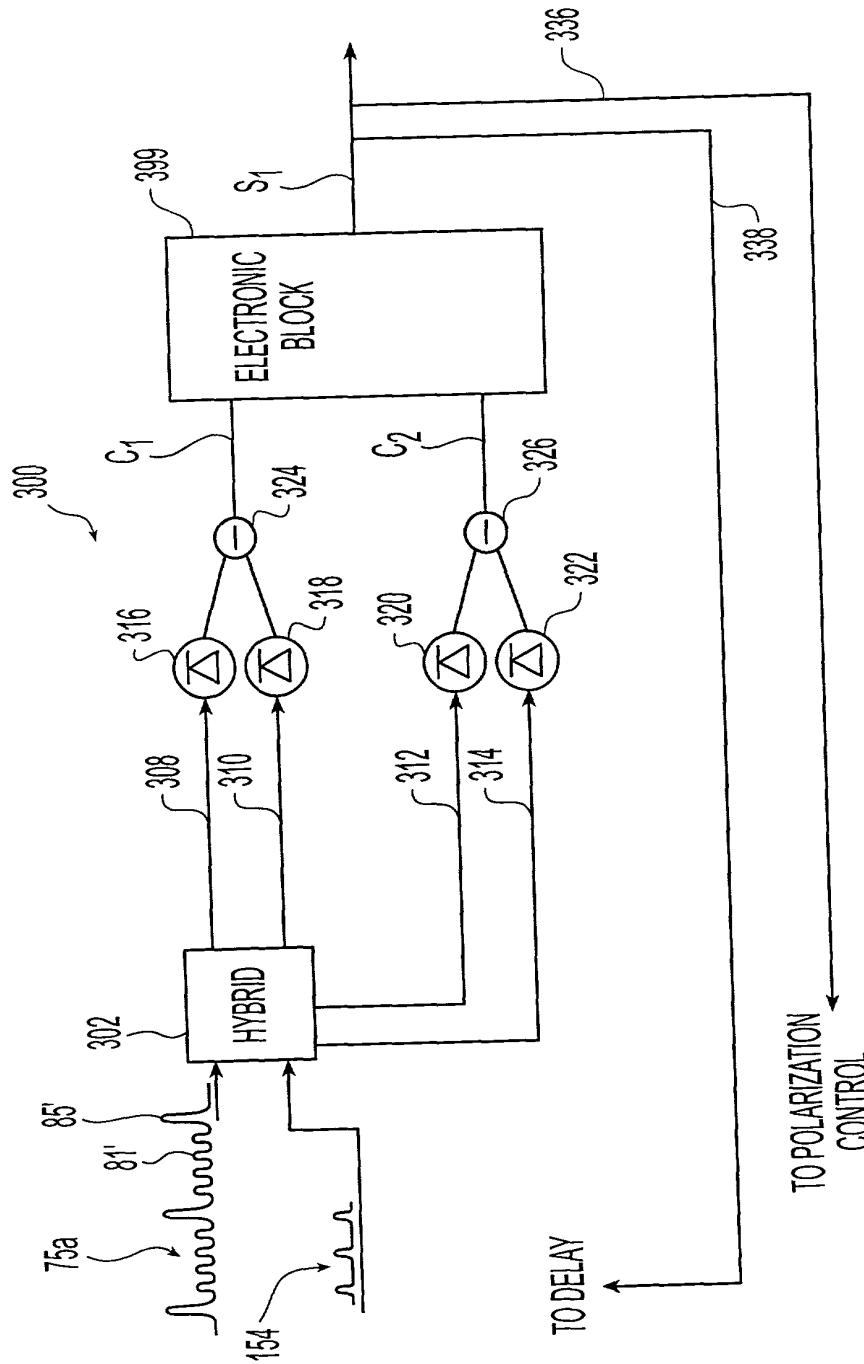


Fig. 19a

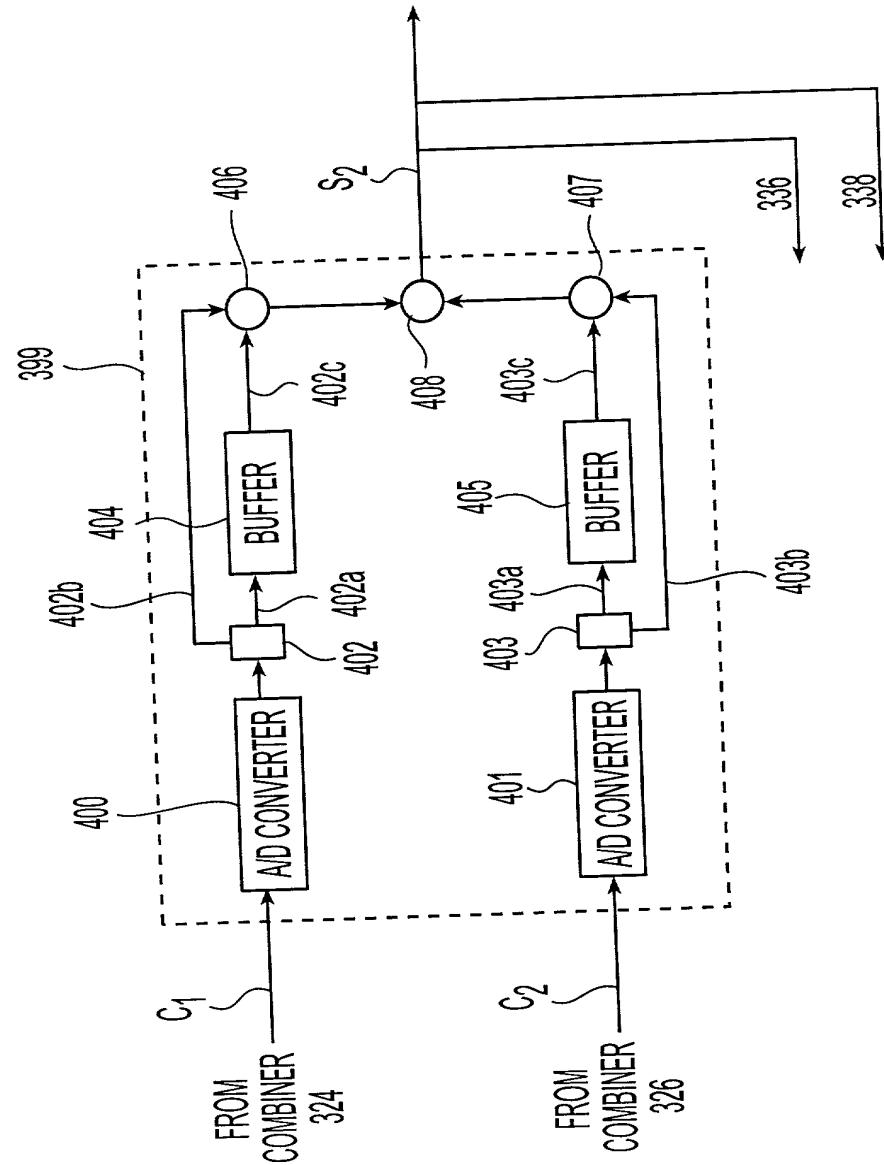


Fig. 19b

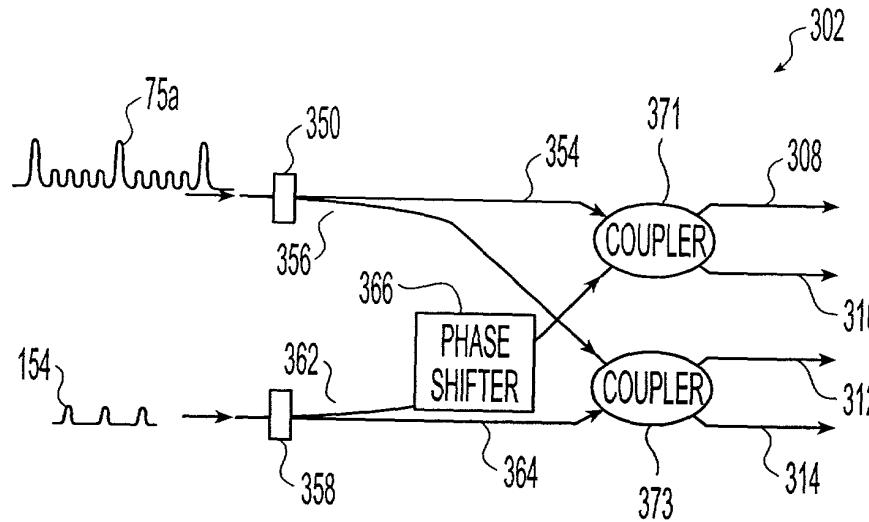


Fig. 20a

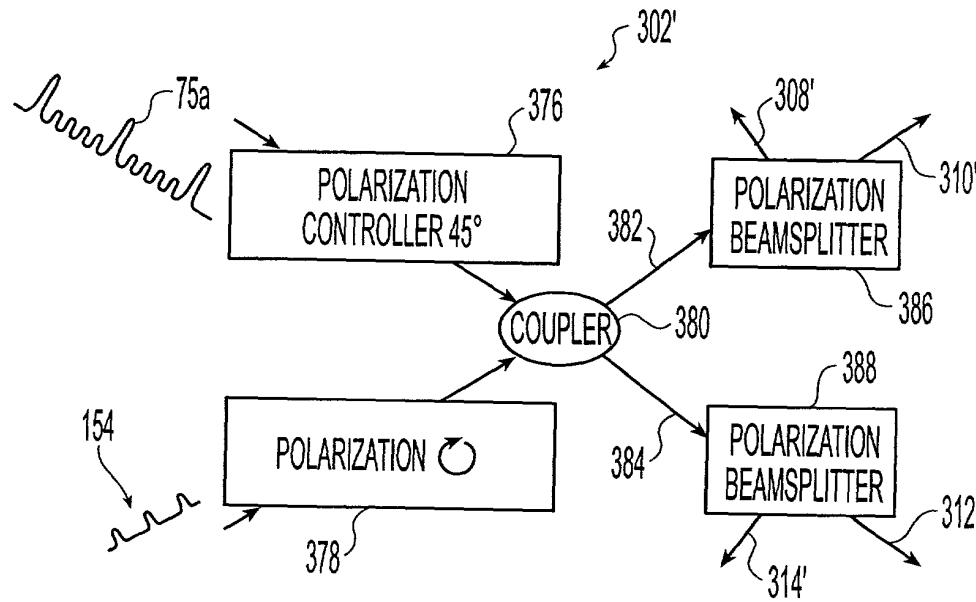


Fig. 20b

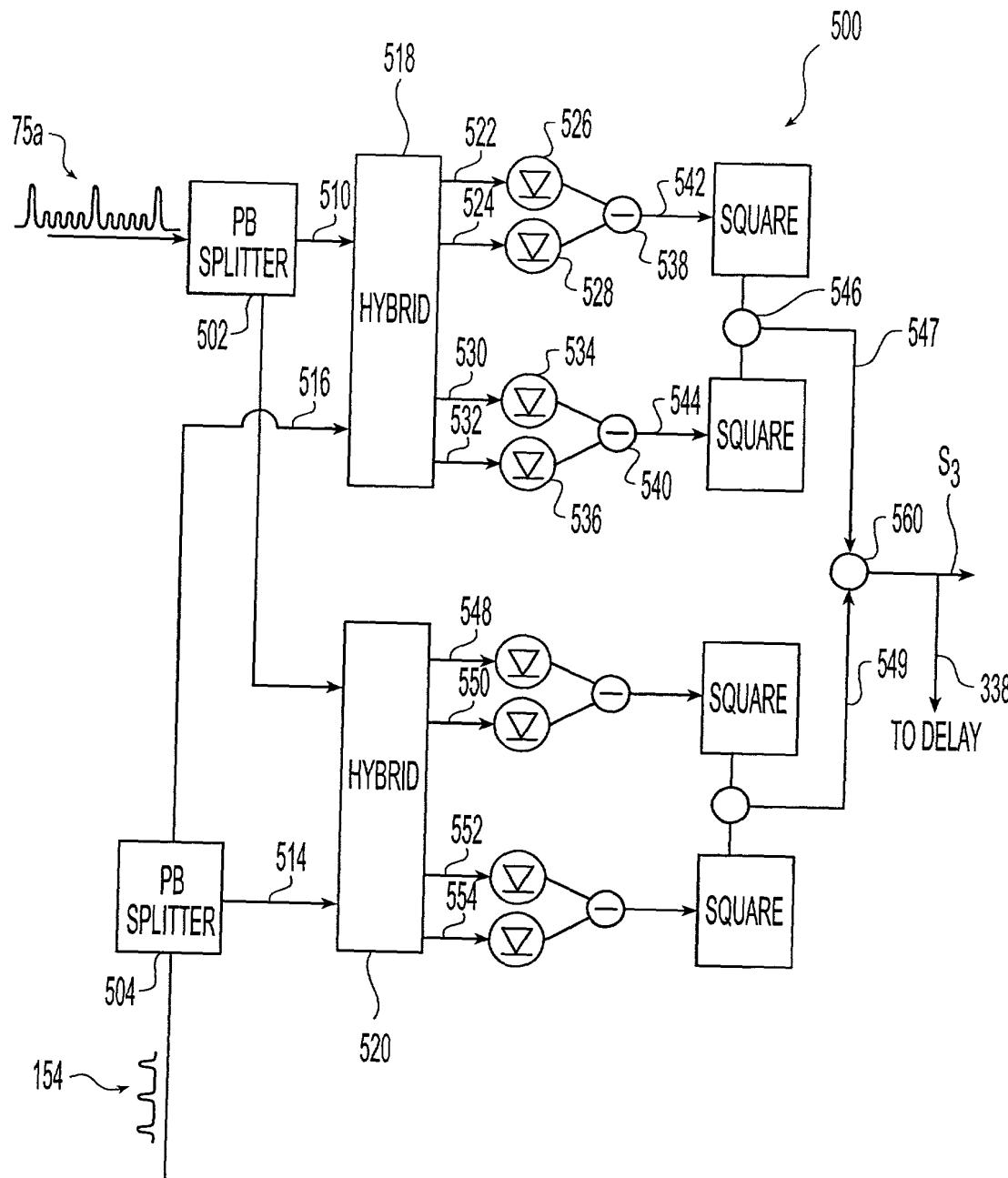


Fig. 21

U.S. PATENT APPLICATION

INVENTOR: Pak Shing CHO et al.

FILED: February 28, 2002

U.S. Appl. No.: 10/084,057

METHOD AND SYSTEM FOR MITIGATING NONLINEAR TRANSMISSION

IMPAIRMENTS IN FIBER-OPTIC COMMUNICATIONS SYSTEMS

PENNIE & EDMONDS LLP (Atty Dkt.#10565-0132-999)

(202) 496-4400

PAGE 25 OF 33

25/33

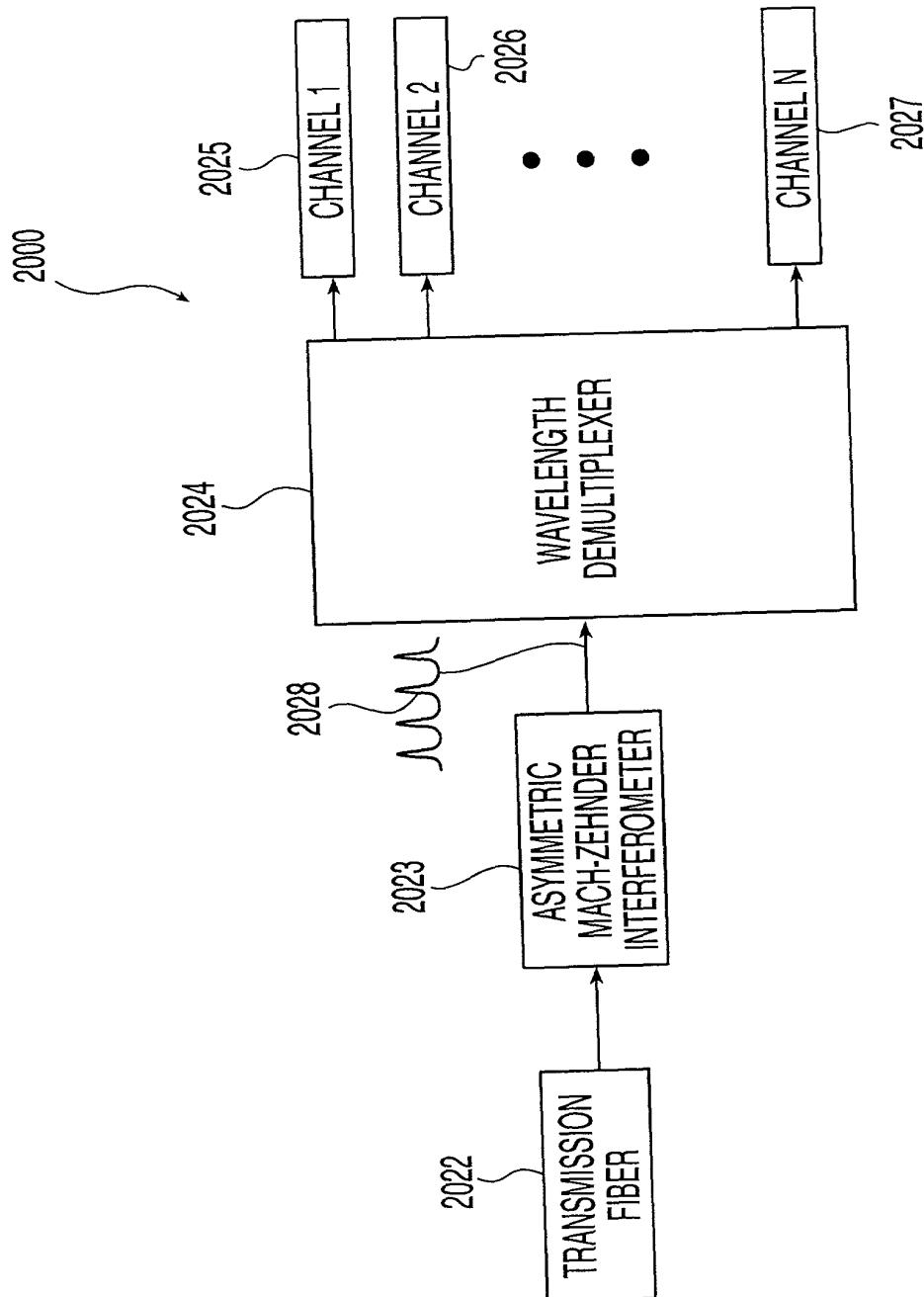


Fig. 22

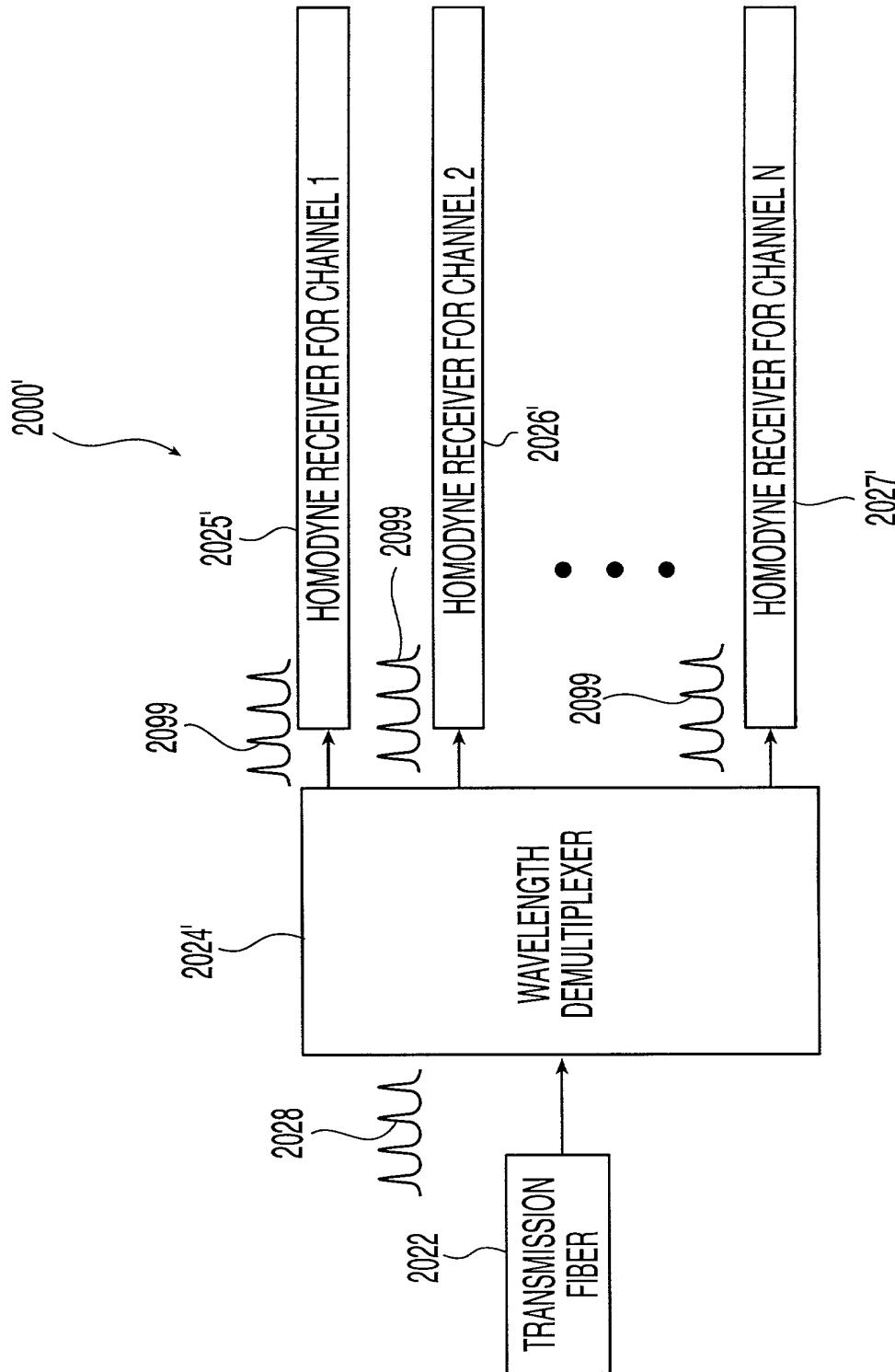


Fig. 23

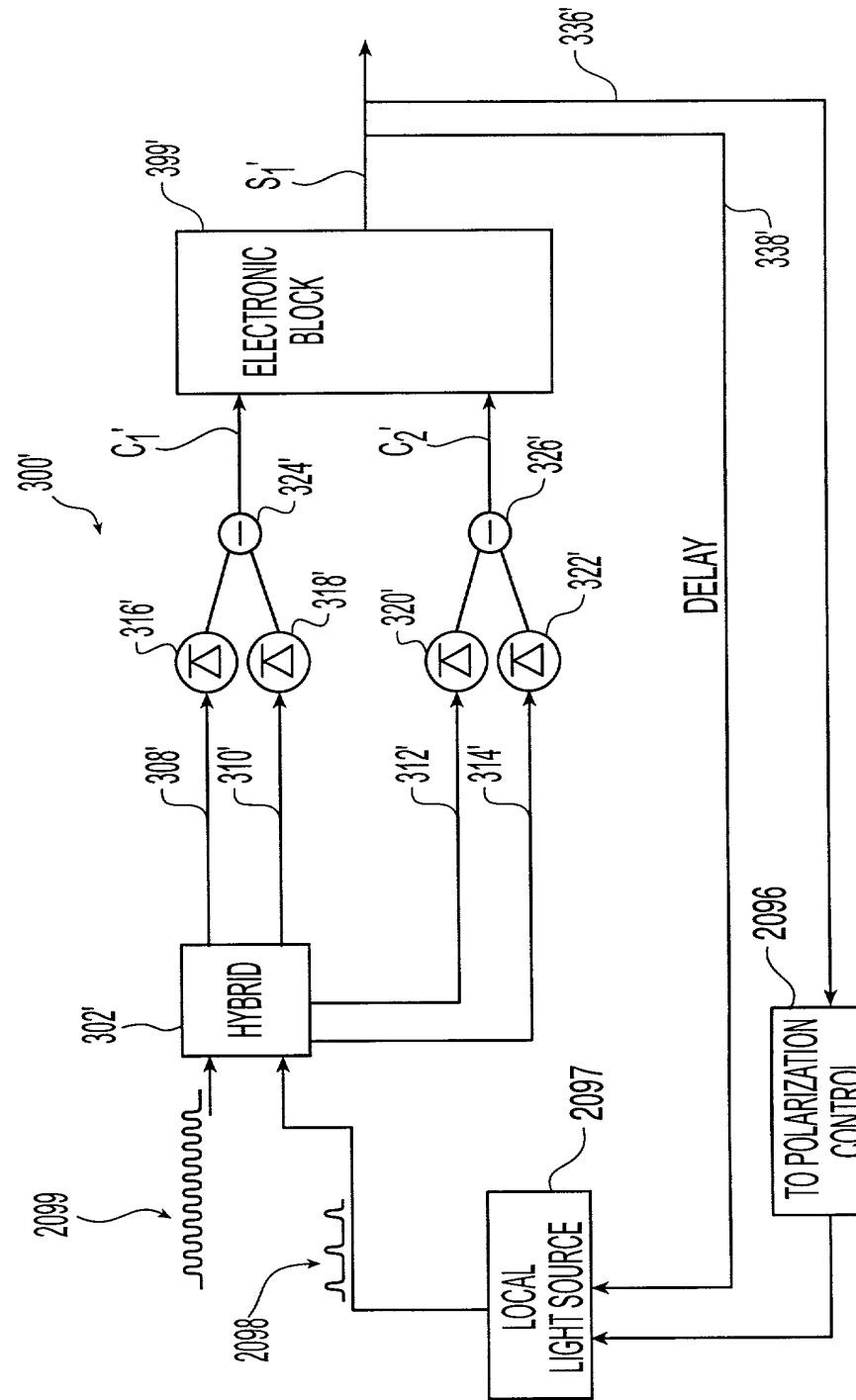


Fig. 24

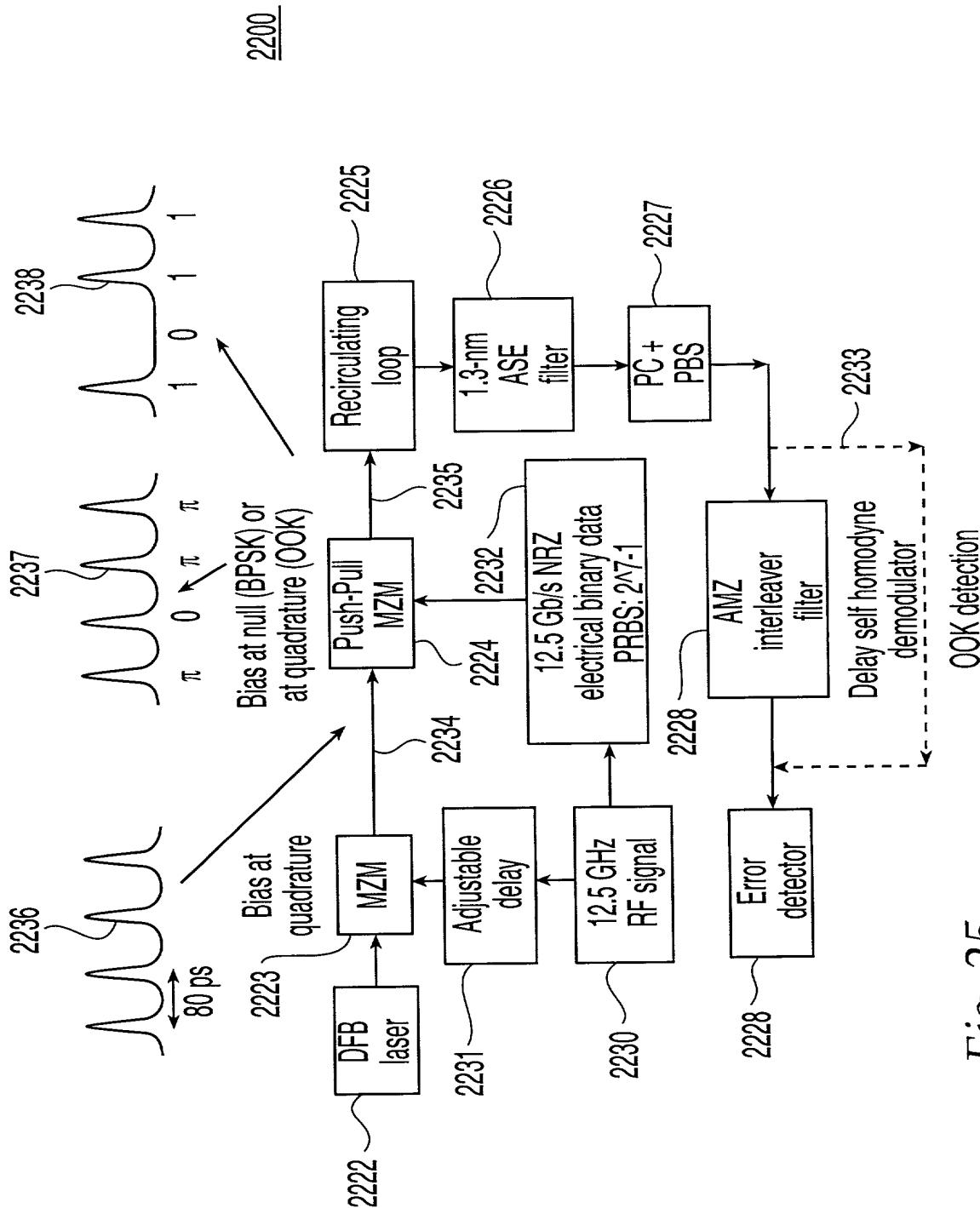


Fig. 25

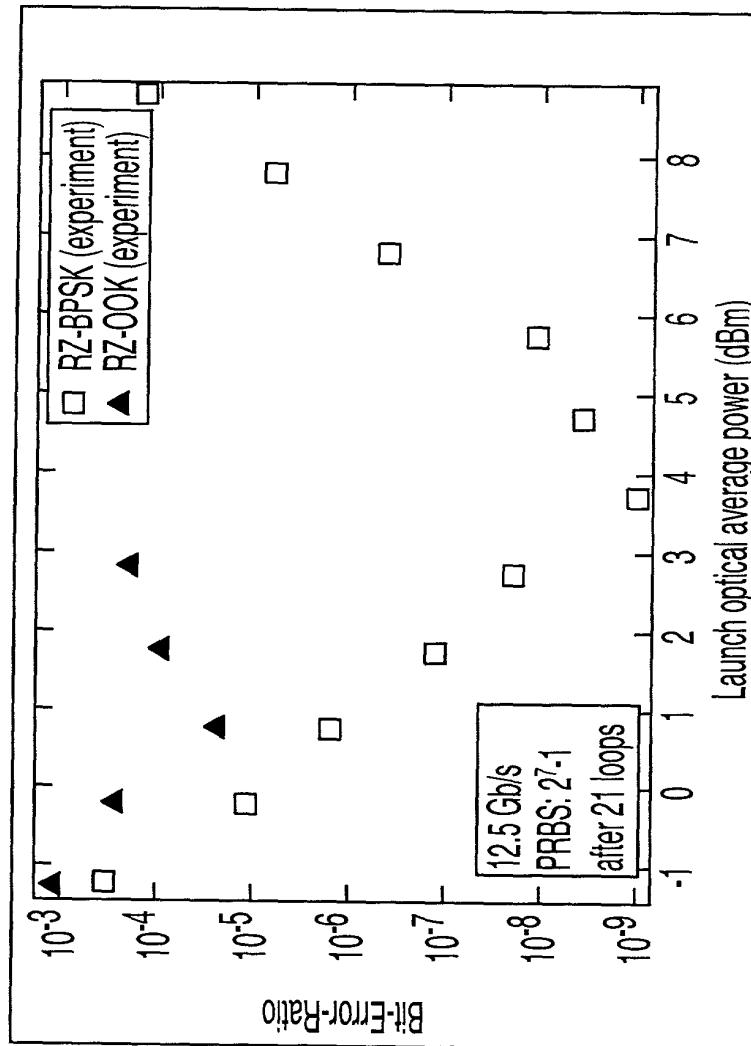


Fig. 26

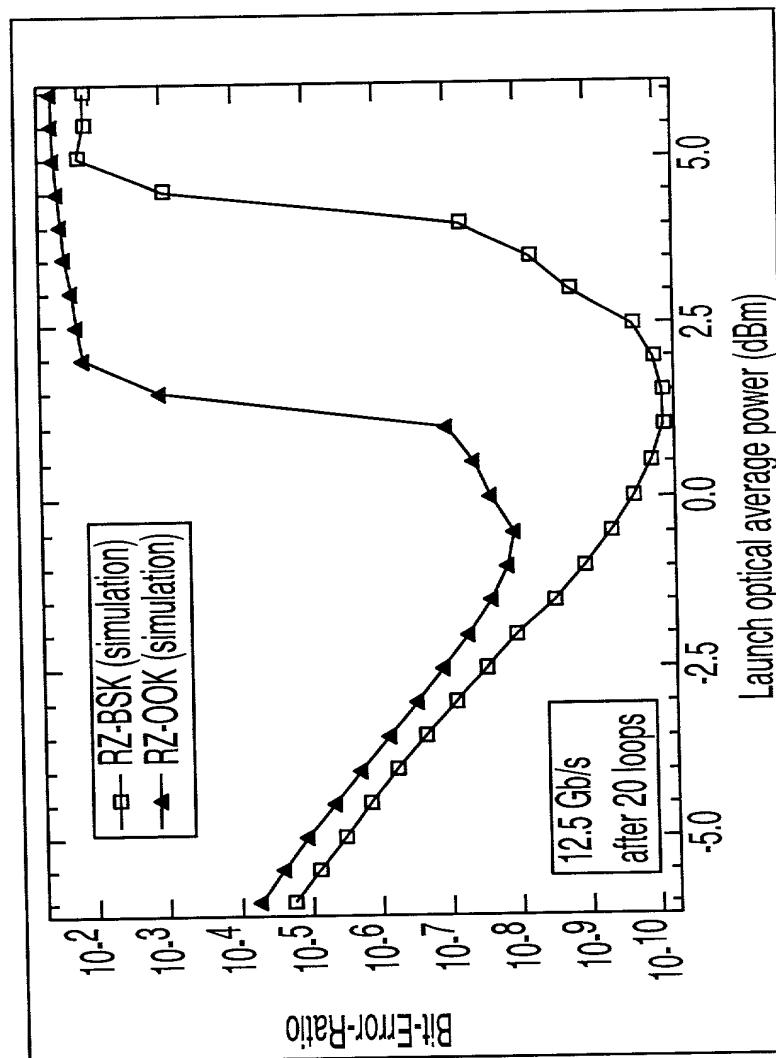


Fig. 27

U.S. PATENT APPLICATION

INVENTOR: Pak Shing CHO et al.

FILED: February 28, 2002

U.S. Appl. No.: 10/084,057

METHOD AND SYSTEM FOR MITIGATING NONLINEAR TRANSMISSION

IMPAIRMENTS IN FIBER-OPTIC COMMUNICATIONS SYSTEMS

PENNIE & EDMONDS LLP (Atty.Dkt.#10565-0132-999)

(202) 496-4400

PAGE 31 OF 33

31/33

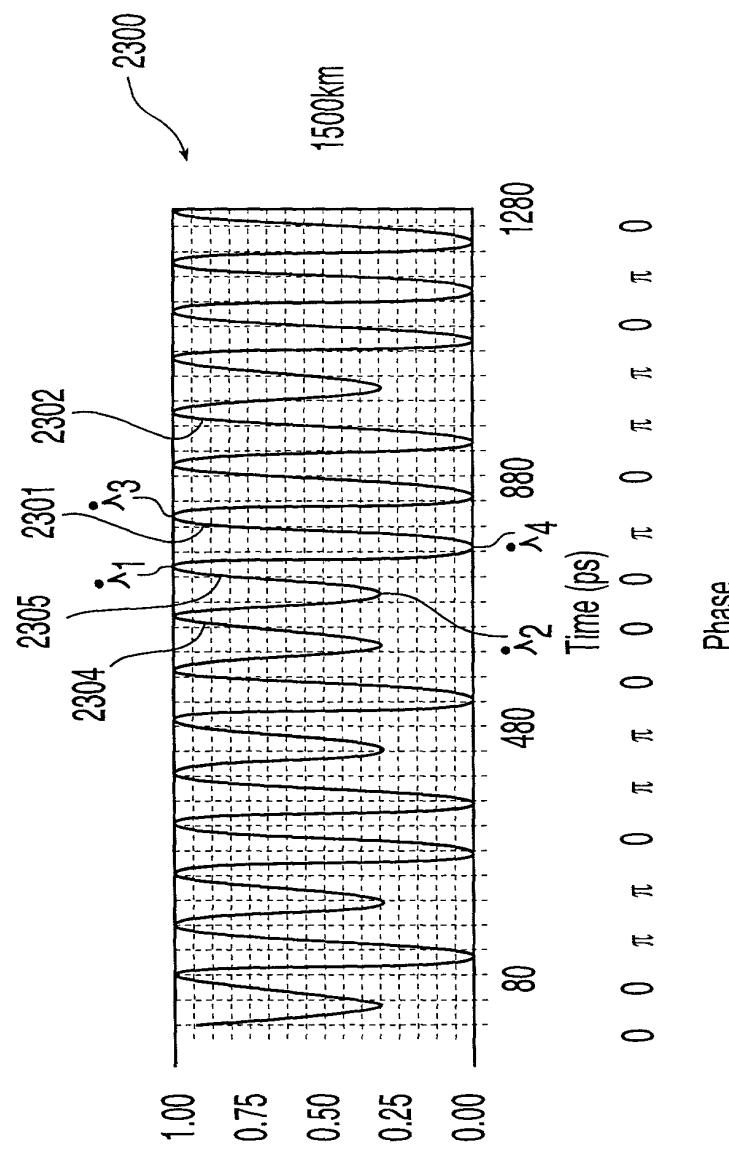


Fig. 28

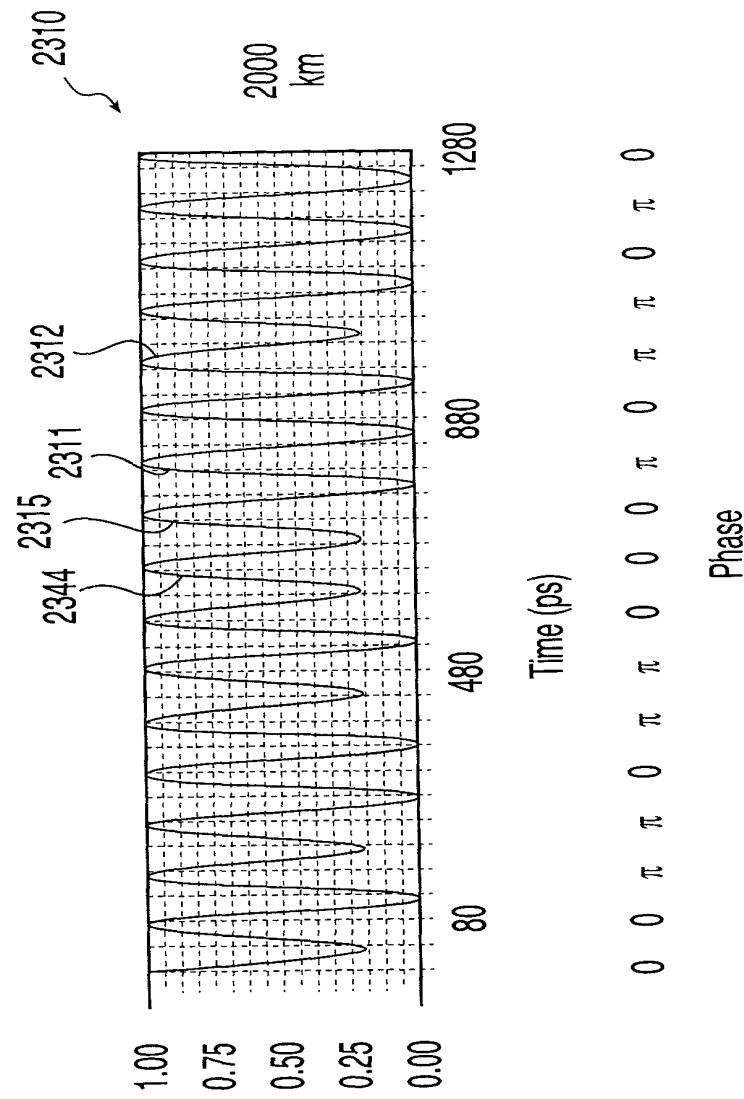


Fig. 29

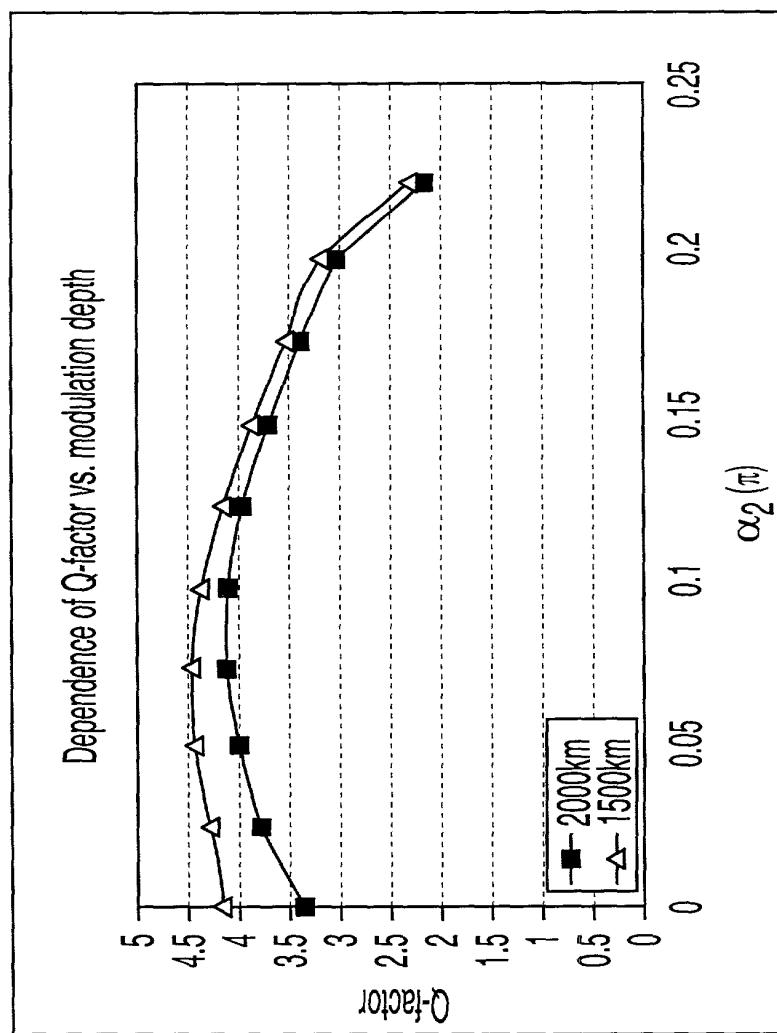


Fig. 30